

Nitrogen Quenching Measurements [PRELIMINARY]

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Procedure

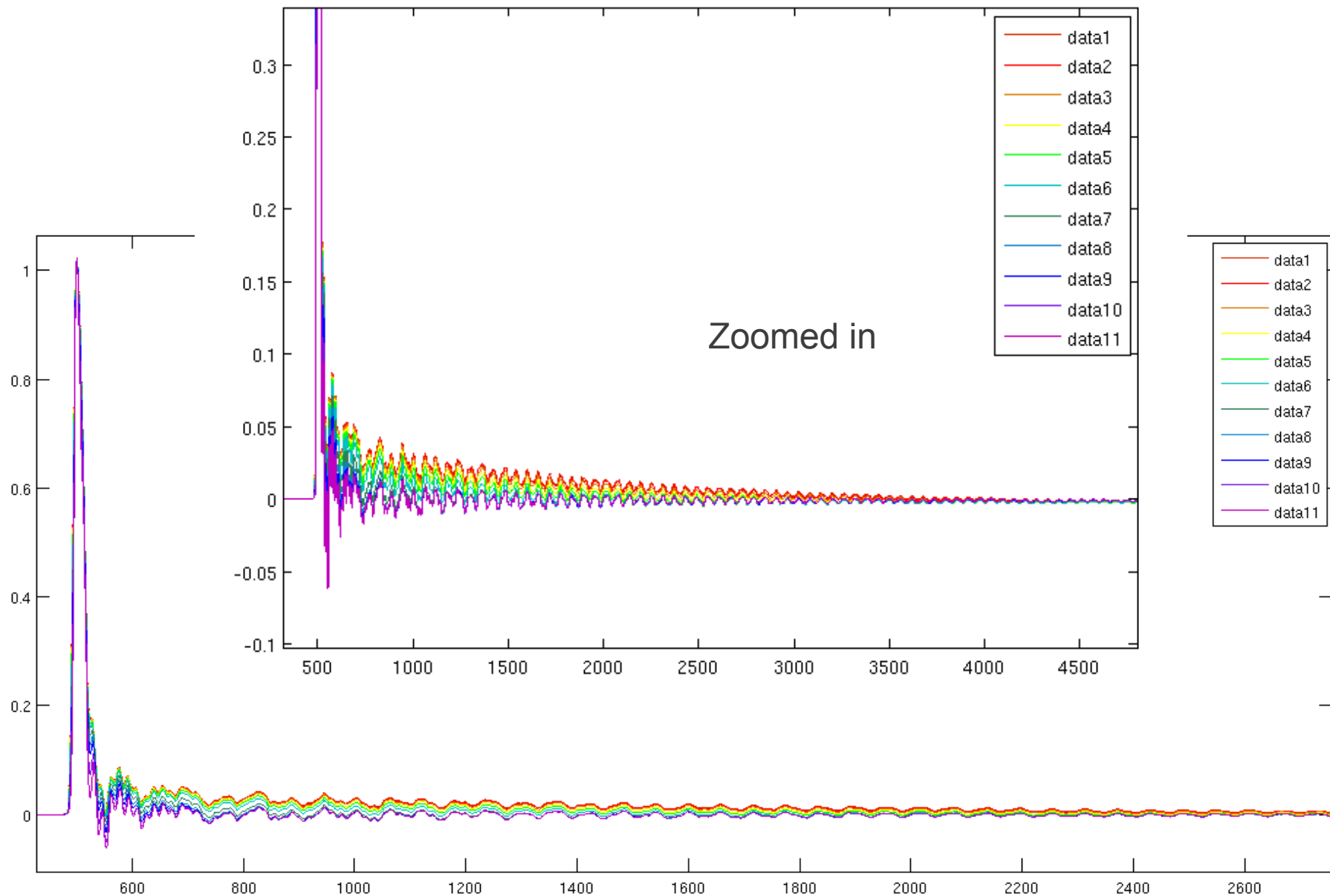
1. Collect calibration pulses with vis LED for deconvolution
2. Collect 10,000 samples of cosmic pulses & alpha-enriched pulses
3. Make injection and wait 45 mins for equilibration
4. Repeat

Analysis

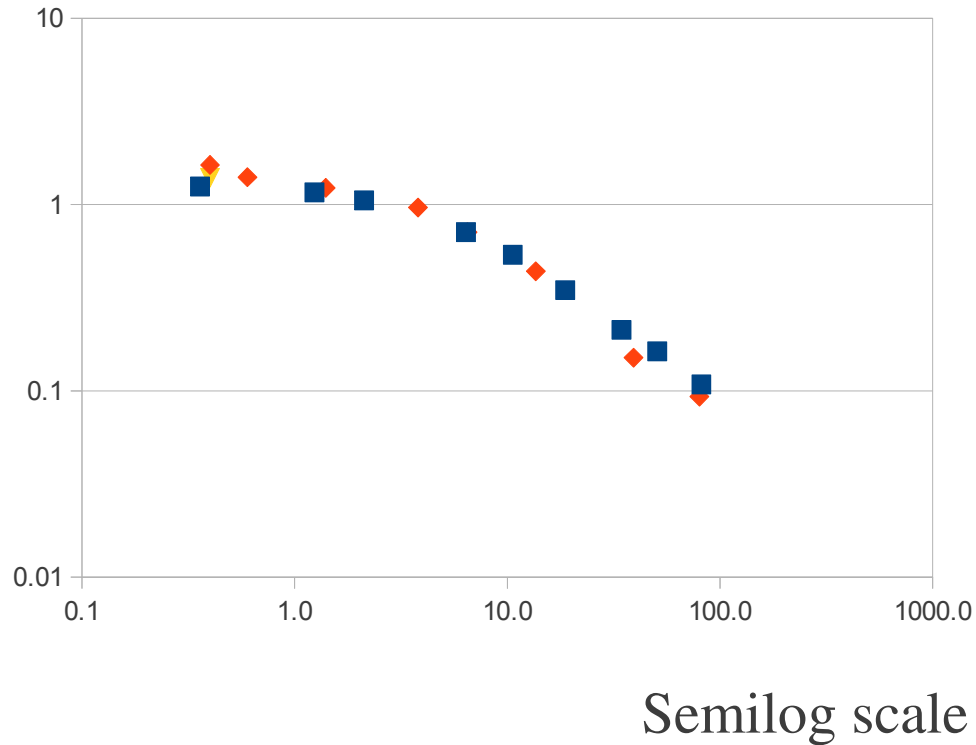
- For each data set, filter pulses and perform deconvolution (as mentioned before)
- Fit to exponentials, and extract late light time constant

A Look at the Raw Data

(Rescaled for pulse height)



Results [PRELIMINARY]



We know the deconvolution method is biased, so data (alphas & cosmics) will also be fit using the template fit procedure

First point is included in yellow

